

Scaled data based on original data using
LM-79-2024 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: PrentaLux

Report Number: P1505469

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-04-WHGL-PS (6500K_L32_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505469
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-99)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 7/31/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PrentaLux
Catalog Number: PRLX-UHBS2-2436-MV-L8C5-U-B-04-WHGL-PS (6500K_L32_Wide_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, CONIC WHITE SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 2 - 32,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

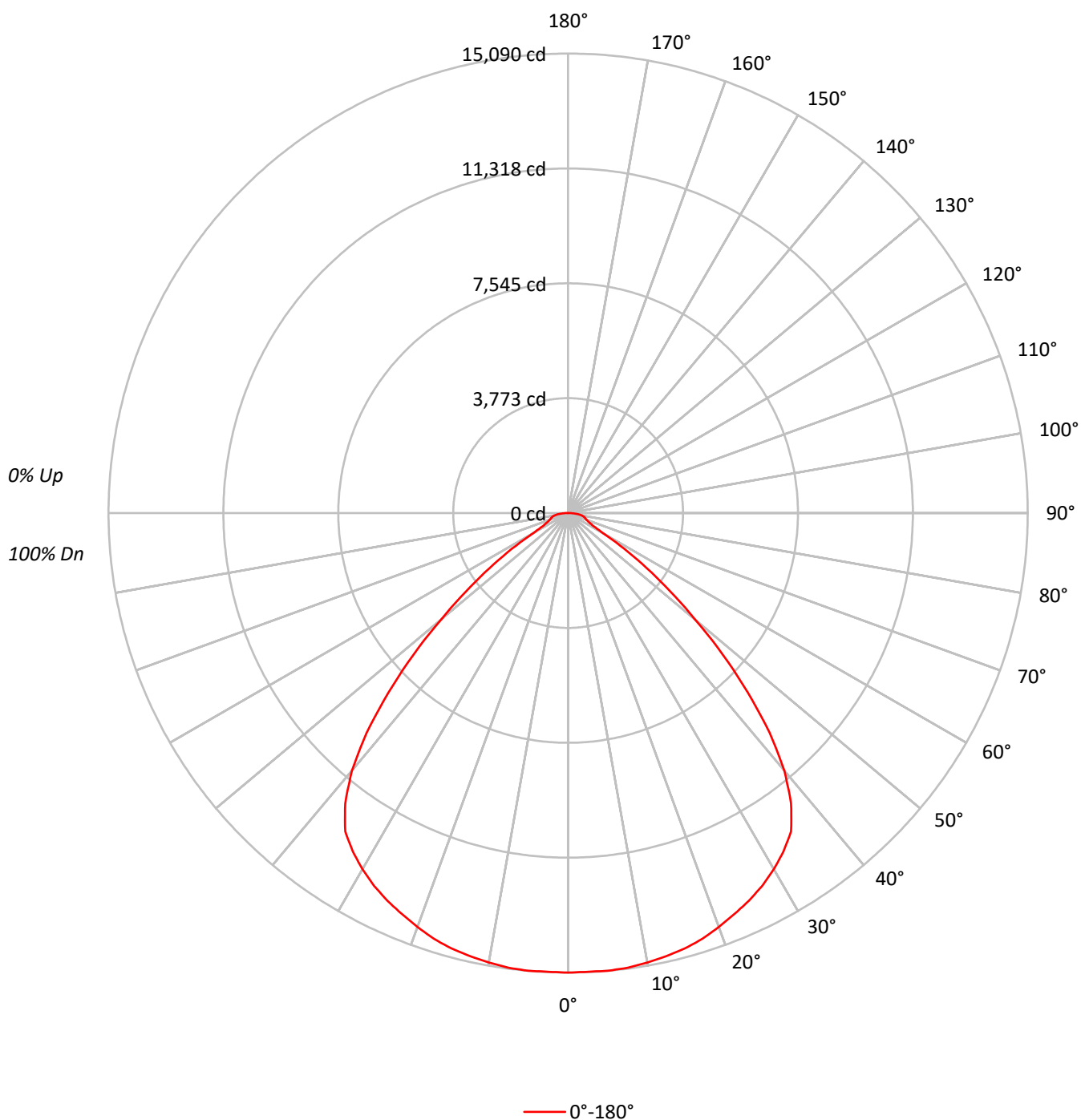
Lumens per Lamp: N/A
Luminaire Lumens: 30900.4 lumens
Efficiency: N/A
Efficacy: 154.4 lumens/watt
Spacing Criteria (0/90/45): 1.32 / 1.32 / 1.31
Luminous Opening: Circular (Dia: 1.38' x H: 0')
CIE Type: Direct

Input Watts (W): 200.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20			
RC	80				70				50				30				10			
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0		
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	111	108	104	101	109	105	102	100	101	99	97	97	95	94	94	92	91	89		
2	104	97	92	87	101	95	90	86	92	88	84	89	85	82	86	83	80	79		
3	96	88	81	76	94	86	80	75	83	78	74	81	76	73	78	75	71	70		
4	89	79	72	66	87	78	71	66	76	70	65	74	69	64	72	67	64	62		
5	83	72	65	59	81	71	64	59	69	63	58	67	62	57	66	61	57	55		
6	77	66	58	53	76	65	58	52	63	57	52	62	56	52	60	55	51	49		
7	72	60	53	47	71	60	52	47	58	52	47	57	51	46	55	50	46	44		
8	68	55	48	43	66	55	48	43	54	47	42	52	46	42	51	46	42	40		
9	63	51	44	39	62	51	44	39	50	43	39	49	43	38	48	42	38	37		
10	59	47	40	35	58	47	40	35	46	40	35	45	39	35	44	39	35	33		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	108071
5°	108447
10°	108990
15°	109760
20°	110229
25°	110979
30°	111647
35°	111573
40°	103211
45°	84524
50°	60746
55°	39397
60°	18896
65°	13544
70°	13320
75°	15571
80°	18667
85°	21447

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 84524 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1436.9	4.6
10°-20°	4180.3	13.5
20°-30°	6476.4	21.0
30°-40°	7857.5	25.4
40°-50°	6381.3	20.7
50°-60°	2867.8	9.3
60°-70°	843.1	2.7
70°-80°	587.6	1.9
80°-90°	269.4	0.9
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	12093.6	39.1
0°-40°	19951.1	64.6
0°-60°	29200.2	94.5
0°-90°	30900.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	30900.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	15090	
5°	15085	###
15°	14803	4180
25°	14044	6476
35°	12761	7858
45°	8345	6381
55°	3155	2868
65°	799	843
75°	563	588
85°	261	269
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	15089.8
2.5°	15076.6
5°	15084.7
7.5°	15058.2
10°	14986.9
12.5°	14904.3
15°	14803.4
17.5°	14659.6
20°	14462.9
22.5°	14255.9
25°	14043.9
27.5°	13797.2
30°	13500.5
32.5°	13164.1
35°	12761.4
37.5°	12022.3
40°	11039.6
42.5°	9791.8
45°	8345.2
47.5°	6886.3
50°	5452.0
52.5°	4214.4
55°	3155.2
57.5°	2187.7
60°	1319.2
62.5°	936.9
65°	799.2
67.5°	699.3
70°	636.1
72.5°	599.4
75°	562.7
77.5°	517.9
80°	452.6
82.5°	370.1
85°	261.0
87.5°	132.5
90°	0.0

(END OF REPORT)